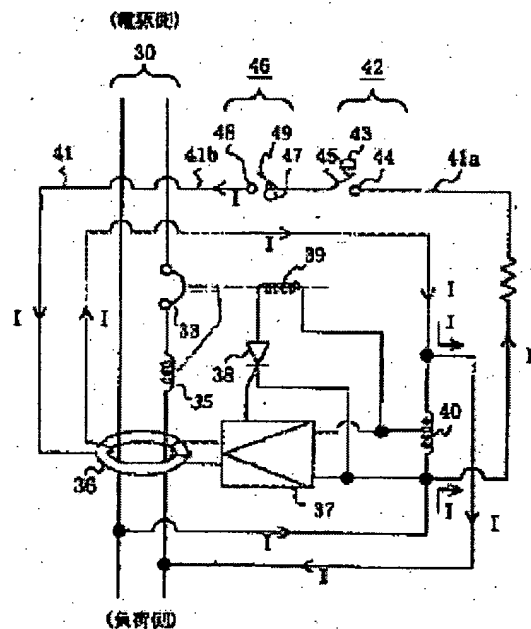


GROUND-FAULT CIRCUIT INTERRUPTER

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Abstract of JP2003045312

PROBLEM TO BE SOLVED: To obtain a ground-fault circuit interrupter of a simple structure and easy to assemble and adjust, which can surely make an operation check without making the size larger, and will not have a protection coil damaged even if a test button is kept pushing at the operation check test. **SOLUTION:** The ground-fault circuit interrupter is provided with a test circuit 41 passing dummy leak current to a zero-phase current transformer 36 with one end wound around the zero-phase current transfer 36 and the other end connected to a main circuit 30, a leakage test switch 42 connected in the test circuit 41 and making an operation check of a ground-fault circuit interrupter by putting on and off dummy leakage current flowing in the test circuit 41, and a series switch 46 connected in series with the leakage test switch 42 and put on and off according to on/off and trip operations of the ground-fault circuit interrupter, and it is so arranged that dummy leakage current shall not flow in the test circuit 41 when the ground-fault circuit interrupter is in the off or trip state, even if the leakage test switch 42 is operated.



30: 主回路
 38: サイリスタ
 40: 変圧器
 41: テスト回路
 43: テストボタン
 44: 第1の固定端子
 45: 第1の弾性部材
 46: 直列スイッチ
 48: 第2の固定端子
 49: 第2の弾性部材